



**smith & hopewell, p.a.**

Intellectual Property Law Patents Trademarks Copyrights

September 16, 2003

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Applicants: Mark Stewart**

**Serial No.: 10/604,240**

**Filing Date: 07/03/2003**

**For: A Geophysical Method for Quantification of Dense Non-Aqueous Phase Liquids in the Subsurface**

**Our Reference No.: 1372.47**

**Examiner: Unassigned  
Art Unit: 2856**

Dear Sir:

Enclosed please find the following:

1. Information Disclosure Statement By Applicants- 2 pages;
2. Copies of one (1) U.S. Patent Documents;
3. Copies of eight (8) Non-Patent Literature Documents; and
4. Self-addressed, postage-prepaid postcard to serve as a receipt for items 1-3.

Very respectfully,

**SMITH & HOPEN**

By: Anton J. Hopewell

*anton.hopen@baypatents.com*

AJH/sb  
enclosure

**CERTIFICATE OF MAILING  
(37 C.F.R. 1.8)**

I HEREBY CERTIFY that this correspondence is being mailed with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on September 16, 2003.

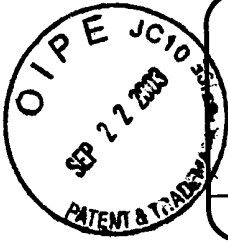
Date: September 16, 2003

Shelley Butz

*Attorney-Client Privileged Communication*

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Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	2
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**Complete if Known**

<b>Application Number</b>	10/604,240
<b>Filing Date</b>	07/03/2003
<b>First Named Inventor</b>	Mark Stewart
<b>Group Art Unit</b>	2856
<b>Examiner Name</b>	Unassigned
<b>Attorney Docket Number</b>	1372.47

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner  
Signature

Date	
Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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<b>Substitute for form 1449B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/604,240
		Filing Date	07/03/2003
		First Named Inventor	Mark Stewart
		Group Art Unit	2856
		Examiner Name	Unassigned
Sheet 2	of 2	Attorney Docket Number	1372.47

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	2	The Neutron Log; www.logwell.com/tech/nuclear/neutron_log.html; 5/20/2003	
	3	The Gamma Ray Log; www.logwell.com/tech/nuclear/gamma_ray_log.html; 5/20/2003	
	4	KRAM ET AL.; DNAPL Characterization Methods and Approaches Part1: Performance Comparisons	
	5	MITCHELL ET AL.; Development of a CPT Deployed Probe for In Situ Measurement of Volumetric Soil Moisture Content and Electrical Resistivity; 12/31/1997	
	6	Innovative Technology Summary Cone Penetrometer; www.gnet.org/archive/4569.html; 5/21/2003	
	7	STEWART; A Geophysical Method for Quantification of Dense Non-Aqueous Phase Liquids (DNAPL) in the Subsurface	
	8	Direct Push Technologies	
	9	Bulk Density Determination; www.geology.iupui.edu/research/SoilsLab/procedures/bulk; 5/19/2003	

Examiner Signature		Date Considered	
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